

CANON
FOUNDATION
IN EUROPE

Bulletin

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CANON FOUNDATION INVITED LECTURE

THE LATEST LECTURE IN OUR SERIES OF INVITED LECTURES WAS HELD IN NOVEMBER 2010 AT THE PIPPARD LECTURE THEATRE IN THE FAMOUS CAVENDISH LABORATORY IN CAMBRIDGE.

Entitled “Creative Tensions between Science and Technology”, Prof. Sir Richard Henry Friend, a Cavendish Professor of Physics, introduced attendants to the science of plastic electronics and its commercial development.

As a leader in the Optoelectronics Group in the Cavendish Laboratory, he is well placed to discuss the problems involved in taking scientific breakthroughs from the research laboratory into the market place. His lecture, which discussed this topic and looked to what the future might hold,

captured the imagination of some 150 attendants.

Sir Richard is a highly decorated and renowned materials physicist who has made fundamental contributions to the physics and engineering of semiconductor devices. With over 600 publications and

Invited Lecture 2010 at the Pippard Lecture theatre



more than 20 patents, he was knighted for “Services to Physics” in the Queen’s Birthday Honours List, 2003.

More information at:
http://www.canonfoundation.org/programmes_3_lecture.html

Prof. Sir Richard Henry Friend



Chairman of the Board James Leipnik (l.) presents Patrick Masterson with a gift.

FAREWELL TO PATRICK MASTERSON

Prof. Patrick Masterson retires from the Executive and Selection Committees after his service of 23 years. We will miss his wits and wisdom!

WELCOME TO ANDREW FISHER

Prof. Andrew Fisher, Professor of Physics in the Department of Physics and Astronomy at University College London will strengthen our forces in the Executive Committee. In the Selection Committee he will assess application files in Natural and Engineering Sciences.

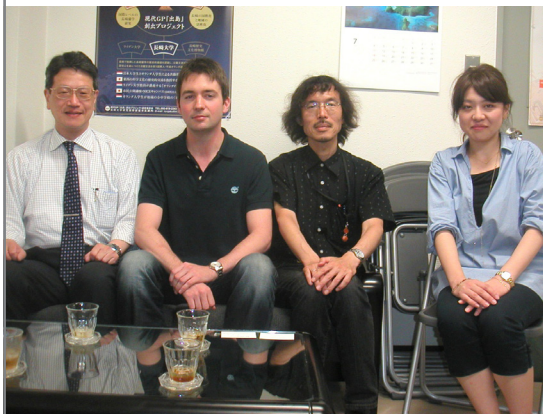


FELLOWS VISIT FELLOWS

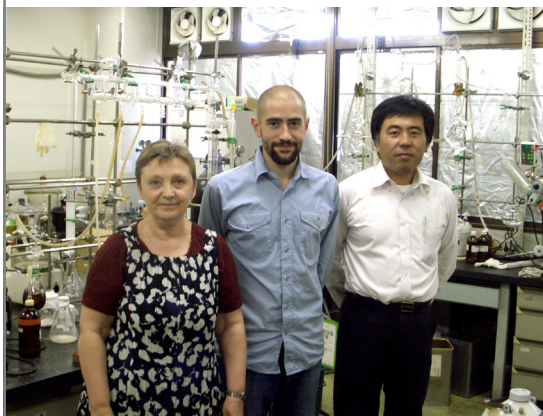
The Canon Foundation in Europe is very proud to have built a vast network of Alumni Fellows and although some Fellows have sometimes already finished their own Research Fellowship many years ago, they are prepared to visit current Fellows on behalf of the Foundation.

Alumni Fellow (1991) **Prof. Dr. Yoshitaka Nakajima** visited 2010 Fellow **Mr. Bas Verberk** at Nagasaki University. Mr. Verberk studies western influence on **nanban armour**, the Dutch influence on Japanese armour during Edo period (1600-1868) and Japanese armour in Western collections.

Alumni Fellow (1992) **Prof. Dr. Yulia Mikhailova** visited 2010 Fellow **Mr. Sebastien Dhers** at Hiroshima University. Mr. Dhers studies the synthesis, magnetic and optical properties of a **new chiral molecule-based magnet**.



Prof. Koji, Mr. Verberk, Prof. Nakajima and Kanami Miyagi, Exchange Program Officer



Prof. Mikhailova, Mr. Dhers and Prof. Inoue

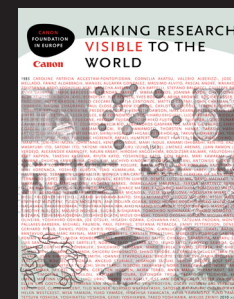


Mr. Verberk in his office



Mr. Dhers at his lab

CELEBRATING 250
RESEARCH FELLOWS AT
THE FELLOW MEETING IN
CAMBRIDGE



In November 2010 our Fellow Follow-up Meeting for UK and Ireland was held in Cambridge on the same day as the Invited Lecture by Sir Richard.

At the meeting, **Alumni Chair Dr. Helen Westgeest** proudly presented the first book made by Canon Foundation Fellows on: **Making Research Visible to the World**. Inspired by the Fellow meetings, where different disciplines find common ground, the book contains essays from a variety of research topics. It was well received by Fellows and contacts of the Foundation. The book marks the milestone of having financially supported more than **250 Research Fellows** since 1990. At the meeting, recent Fellows made presentations on their research and were bestowed with a Certificate of Completion. They also received a brooch or lapel badge symbolising entrance to the **Alumni Association of Canon Fellows**.

INTRODUCING THE 2011 RESEARCH FELLOWS



Ms. Marie BOBOWSKI from the Université des Sciences et Technologies de Lille 1, France will go to the Graduate School of Medicine at Nagoya University hosted by Prof. Koichi Furukawa. *Medicine: Regulation of G_{D_3} synthase expression in breast cancer.*



Dr. Vanessa FRANGVILLE - associate to the Maison Franco-Japonaise of Tokyo. From the Institute for Transtextual and Transcultural Studies at the University of Lyon Jean Moulin, will go to the Institute of Comparative Culture at Sophia University in Tokyo. Her host will be Prof. James Farrer. *Anthropology: Ethnicity, nation and nationalism in Japan and China: a comparative study of the concepts of Minzoku and Minzu.*



Dr. Takeaki ISHIZAWA from the University of Tokyo will go to the Department of Digestive Pathology at the Institut Mutualiste Montsouris, Paris hosted by Prof. Brice Gayet. *Medicine: Development of indocyanine green-fluorescent*

imaging to identify biliary tracts and liver cancers during laparoscopic hepatobiliary surgeries.



Mr. Xavier MELLET from Sciences Po Paris will go to Waseda University, Tokyo. His host is Prof. Yoshiharu Tsuboi at the Faculty of Political Science. *Politics and International Relations: The media composition of populisms. A Japan-France comparison.*



Mr. Wataru MIZUKAMI from the Graduate University for Advanced Studies, Okazaki, plans to do research at the University of Bristol under the guidance of Dr. David P. Tew. *Chemistry & Pharmacy: Quantum tunneling in biological systems.*



Ms. Sylwia Maria OLEJARZ from The Cardinal Stephan Wyszyński University in Warsaw, Poland will go to Hokkaido University in Sapporo with Prof. Kurata Nobuo as her host. *Philosophy & Religion: Communities' involvement in the public debate on bioethical issues*



Ms. Wulan REMMELINK at Leiden University, the Netherlands will go to the Institute for Advanced Studies on Asia at the University of Tokyo. Her host is Prof. Masashi Haneda. *History: Learning by seeing: botanical illustrations and the circulation of knowledge and skills between Japan and the Netherlands (18th-19th centuries).*



Dr. Hideaki SAKAI from RIKEN will go to the University of St. Andrews, Scotland. His host will be Prof. Andrew P. Mackenzie at the Faculty of Physics and Astronomy. *Physics: Electron liquid-crystal phases in strongly correlated electron systems.*



Ms. Irene STARACE from the Universidad Autonoma de Madrid will go to the Faculty of Foreign Studies at Sophia University, Tokyo. Her host is Prof. Elena Gallego Andrada. *Literature: Doctoral thesis of comparative*

literature "Reconstruir historias". Rebuilding histories, feminist interpretation of the Heian period and Italian Renaissance in Enchi Fumiko's and Maria Bellonci's works.

Mr. Rinus VERDONSCHOT from the University of Leiden, the Netherlands will go to Nagoya University. His host will be Prof. Dr. Katsuo Tamaoka at the Graduate School of Languages & Cultures. *Psycholinguistics: Processing Japanese Kanji: new insights into language production mechanisms.*



2011 Research Fellowship co-sponsored by EUI-Florence
Dr. Michio UMEDA from the University of Michigan will go to the European University Institute, Florence, Italy. *Politics & International Relations: Electoral Reform and the dynamic adjustment process of the political parties and electorates.*

TOHOKU EARTHQUAKE

Several Canon Foundation (Alumni) Research Fellows and host professors were directly affected by the earthquake and tsunami which hit Japan on March 11. Our thoughts are with them, and indeed with all Japanese people who suffered from this triple disaster, now with the nuclear threat still affecting daily life for many. We wish for strength and a positive spirit for those who are rebuilding their lives.

CONGRATULATIONS TO

1998 Fellow **Prof. Eduardo Garcia-Rio** was one of the invited speakers in February in Granada (Spain) at the “First Spanish Japanese Workshop on Differential Geometry” (http://gigda.ugr.es/spanish_japanese/Home.html). One of the decisions during the workshop was to celebrate a second workshop in Tokyo in 2014. Dr. Garcia-Rio was also promoted in December 2010 to **Full Professor** in Geometry at the University of Santiago de Compostela.

2000 Fellow **Dr. Ikuko Sato** was appointed to the **Chair** of the course for International Cooperation Studies in the Liberal Arts at J. F. Oberlin University, Tokyo (2010-2011) and the **Chair** of the course for the division of the Law and Politics in the Liberal Arts at J. F. Oberlin University (2011).

2002 Canon Awardee **Prof. Paolo Ceccarelli**, was appointed UNESCO Chair and President of the International Laboratory of Architecture and Urban Design in 2010, has begun to work in **cooperation with Waseda University**, the Kanazawa Institute of Technology and the City of Kanazawa on

an important project for the conservation and enhancement of the historical districts of the city of Kanazawa. Objective of the project is the nomination of Kanazawa World Heritage by UNESCO.

2003 Fellow **Dr. Erica Baffelli** was awarded a Japan Foundation **Japanese Studies Fellowship** (long term) and was visiting researcher at Tokyo University November 2010-January 2011.

2004 Canon Fellow **Dr. Carsten Rockstuhl** was promoted on July 1, 2010 to **Junior Professor** for Theoretical Nanooptics at the University of Jena, Germany.

2006 Fellow **Mr. Harro van Asselt** is now a **Marie Curie Fellow** at the University of Oxford at the Environmental Change Institute.

2006 Fellow **Ms. Mercedes Rodrigo Garcia** is currently a **Ph.D candidate** at the University of London, Birkbeck College, London Consortium.

From April, 2006 Fellow **Dr. Ellen van Goethem** will be **Associate Professor** linked to Kyushu University in Fukuoka, Japan.

2006 Fellow **Dr. Tilo Wagner** achieved his **Ph.D.** The official ceremony will be in July 2011. Quoting from the acknowledgement: *“Taking chance of that rare opportunity, I would like to express warm-hearted thanks and appreciation to everybody in your dedicated team involved. Without your generous and above all timely (financial) support of that 423 pages “hercules” project - perhaps world wide the most detailed one existing on EU-Japan political cooperation to date - it surely would not exist today”.*

2010 Fellow **Dr. Kentaro Umeki** took up a new position at his host university from May 2011 after his Research Fellowship. He will be “forskaassistant” or **Assistant Professor** at Luleå University of Technology (<http://www.ltu.se/inst/tfm/energiteknik?l=en>)



ACCOUNT FROM A HOST PROFESSOR IN VIENNA

By Prof. Hans Lassmann, Medical University of Vienna, Faculty of Medicine, Brain Research Center

The purpose of **Dr. Tatsuro Misu's** visit in my laboratory in **Vienna** was to perform collaborative studies on the molecular pathology of neuromyelitis optica and multiple sclerosis. In my laboratory we have extensive experience on multiple sclerosis. We have one of the largest international collection of autopsy brain tissue from multiple sclerosis patients and we have spent the last decades to

elucidate the pathogenetic mechanisms responsible for the formation of the lesions in the central nervous system. Dr. Misu comes from **the most famous center in the world**, at Tohoku University, working on neuromyelitis optica, which is a disease with similarities but also important differences to multiple sclerosis. Comparing the molecular pathology between these two diseases provides the unique chance to dissect disease specific pathogenetic mechanisms. The respective studies have developed in a highly satisfactory way and this is largely

due to Dr. Misu's extraordinary expertise in the field. The results are extremely interesting, since they show characteristic differences in the mechanisms of tissue injury between these two diseases. The cooperation with Dr. Misu was fascinating and easy. He was able to integrate into my multidisciplinary research team without any difficulties and the discussions between him and the members of my team were very fruitful and enlightening. It became clear quickly, that this research visit was **only the starting point for intense future cooperation**

between my laboratory in Vienna and his team in Sendai. In addition his research project is already very advanced and will lead to very important publications in the field of neurological research.

Please let me thank at this occasion the Canon Foundation for making this visit possible. It turned out to be a very important step in stimulating **scientific cooperation between Japan and Austria.**

CANON FOUNDATION IN EUROPE

The objective of the Foundation is the promotion of science, culture, know-how and mutual understanding between Europe and Japan.

The Canon Foundation offers Research Fellowships annually to highly qualified European and Japanese researchers. Candidates should hold a doctorate or at least a Master's degree. They are eligible during the ten-year period following the successful completion of their Ph.D or MA degree. Extensions to the ten-year rule are possible in principle in case of exceptional circumstances which should be

explained in the application and supporting documents are required. Non-nationals have to have a permanent citizenship in either Europe or Japan.

The European Fellowship holders pursue a period of research in Japan whereas the Japanese Fellows do their research at host institutions in Europe. The Fellowships are awarded for periods of minimum three months and maximum one year.

For the latest version of the application form and further information, please visit our website or contact the Secretariat in the Netherlands.

Canon Foundation in Europe
P. O. Box 2262
1180 EG Amstelveen, The Netherlands
Tel. +31 20 545 8934, Fax. +31 20 712 8934
E-mail: foundation@canon-europe.com
www.canonfoundation.org

Please send post by courier to our visiting address:

Canon Foundation in Europe
Bovenkerkerweg 59-61
1185 XB Amstelveen, The Netherlands

The closing date for applications is 15 September each year, for Fellowships starting in the following calendar year.

PUBLICATIONS WITH ACKNOWLEDGEMENT

We are proud to report that a total of **348 publications**: 278 articles and 70 books were made possible **with our support**. These publications contain an acknowledgement to the Canon Foundation in Europe. The research for the publications was done during the Fellowship period of our Fellows. They are kept in our library and can be found in our Fellow Register on http://www.canonfoundation.org/fellows_3_register.cfm